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(71) Applicant (for all designated States except US): **BIOSI-LAB S.R.L** [IT/IT]; Via del Garda 44, I-38068 Rovereto (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VASSANELLI, Stefano** [IT/IT]; P. le Firenze 20, I-35132 Padova (IT). **CELLERE, Giorgio** [IT/IT]; Via Anguissola 5, I-36100 Vicenza (IT). **BORGIO, Mauro** [IT/IT]; Via Marosticana, I-36031 Pavolaro Di Dueville (IT). **BANDIERA, Leonardo** [IT/IT]; Viale Montepiana B/7, I-31100 Treviso (IT).

(74) Agent: **GERVASI, Gema**; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria 9, I-20122 Milan (IT).

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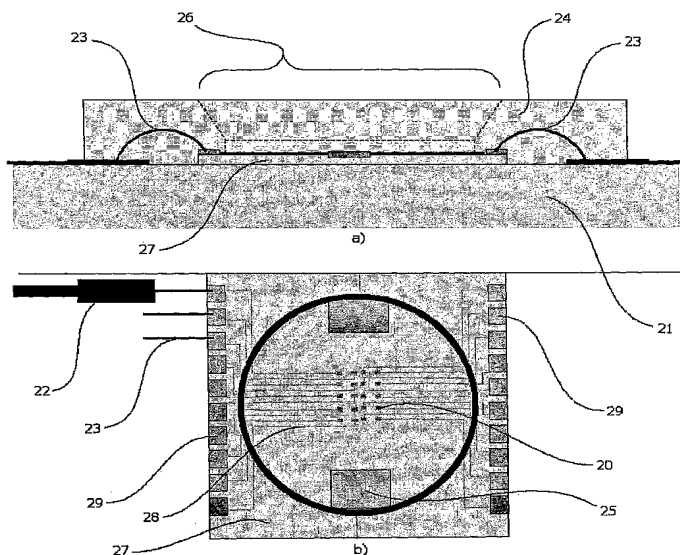
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(54) Title: **BIOCHIP ELECTROPORATOR AND ITS MULTI-SITE, SINGLE-CELL ELECTROPORATION**



(57) Abstract: The introduction of genetic material or molecules of biological interest into cells is a procedure with an increasing interest both for experimental and application purposes, so that electroporation is a widely used technique, but the electroporation of single adhering cells is still impaired. The present application describes an apparatus for the electroporation of any kind of cell adhering to a substrate at any stage of development, where an electrical signal can be driven and applied to a single adhering cell in culture in order to obtain its electroporation. The method to electroporate a single adhering cell with the apparatus of the invention is also described.

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